


EXHIBIT O

Claim Chart for U.S. Patent No. 10,674,120
COMMUNICATION AND MONITORING SYSTEM


Claim 1

The SimpliSafe SimpliCam Camera and all other similar devices provided by SimpliSafe (collectively, the “SimpliCam”) infringes at least the claims charted below of United States Patent No. 10,674,120 (the “’120 Patent”), entitled “Communication and Monitoring System,” under 35 U.S.C. § 271(a), either literally or under the doctrine of equivalents. In addition, SimpliSafe indirectly infringes the ‘120 Patent under sections 271(b) and/or 271(c) by instructing, directing, and/or enabling others, including its customers, purchasers, users and developers, alone, or in combination to use the SimpliCam and/or perform all or some of the steps recited in the claims of the ‘120 patent, either literally or under the doctrine of equivalents, and by providing a material or apparatus for use in a patented process, when such material or apparatus is especially adapted for use in the infringement of the ‘120 patent, and is not a staple article or commodity of commerce suitable for substantial non-infringing use.


U.S. Pat. No. 10,674,120	SimpliCam
[1.1] A detection and viewing system comprising:	To the extent the preamble is limiting, the SimpliCam is a detection and viewing system.

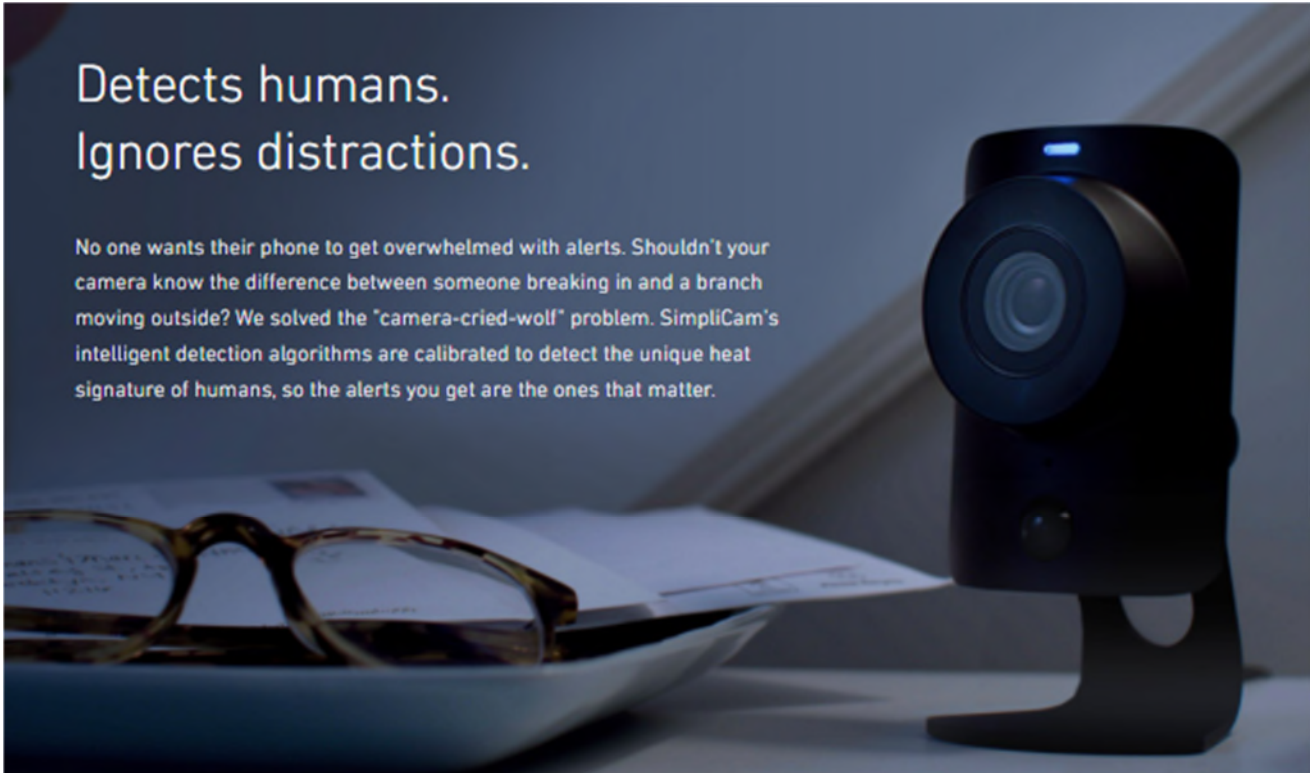
U.S. Pat. No. 10,674,120	SimpliCam
	<div data-bbox="600 285 1136 1057"></div> <div data-bbox="590 1057 1150 1099">https://simplisafe.com/home-security-shop</div>

U.S. Pat. No. 10,674,120	SimpliCam
	<div data-bbox="600 285 1394 959"><p>SimpliCam</p><p>Keep watch over your home and family with SimpliCam. This indoor camera lets you stream crystal clear HD video from anywhere and alerts you when it detects trouble at home.</p><p>watch free anytime</p><p>motion alerts</p><p>works solo or with system</p></div> <p data-bbox="600 964 1146 997">https://simplisafe.com/home-security-shop</p> <p data-bbox="600 1036 1864 1105">To the extent the preamble of claim 1 is limiting, the SimpliCam is a detection and viewing system associated with an entrance.</p>
[1.2] a device comprising: a camera; and a motion sensor,	The SimpliCam has a has a camera and a motion detector.

U.S. Pat. No. 10,674,120	SimpliCam
	<p data-bbox="625 332 993 386">Meet SimpliCam</p>  <p data-bbox="1581 378 1675 399">Features</p> <ul data-bbox="1581 414 1890 792" style="list-style-type: none"> HD Video and Audio 24/7 Free Live Streaming Free Motion Alerts Intelligent Motion Detection Algorithm Free App for Android and iPhone Recording and 30-Day Storage (with plan) High Power Infrared Led Cut Filter Millions of Colors Variable Bitrate Compression End-to-End Encryption 30 Frames/sec, H.264 Encoding 60-Day Money-Back Guarantee 3 Year Limited Warranty 14"-104" F <p data-bbox="1581 833 1638 854">Stats</p> <p data-bbox="1581 868 1774 917">4.56 in. x 2.55 in. x 2.08 in. Weight: .33 lbs.</p> <p data-bbox="1581 954 1722 976">Requirements</p> <ul data-bbox="1581 990 1701 1068" style="list-style-type: none"> Wifi Connection AC Power Indoor-Use Only <p data-bbox="600 1141 1241 1174">https://simplisafe.com/simpliCam-security-camera</p>
[1.3] wherein the device further comprises an outer housing,	The SimpliCam has an outer housing.

U.S. Pat. No. 10,674,120	SimpliCam
	 https://simplisafe.com/home-security-shop
<p>[1.4] wherein the device is capable of wirelessly transmitting digital streaming video to a peripheral device, which is a smartphone, upon</p>	<p>The SimpliCam can wirelessly transmit digital streaming video to a user's smartphone through the SimpliSafe app, upon detection of a person by the motion detector.</p>

U.S. Pat. No. 10,674,120	SimpliCam
<p>detection of a person by the motion sensor,</p>	<div data-bbox="617 331 997 386">Meet SimpliCam</div>  <div data-bbox="1583 378 1682 401">Features</div> <ul data-bbox="1583 415 1898 797" style="list-style-type: none"> HD Video and Audio 24/7 Free Live Streaming Free Motion Alerts Intelligent Motion Detection Algorithm Free App for Android and iPhone Recording and 30-Day Storage (with plan) High Power Infrared Led Cut Filter Millions of Colors Variable Bitrate Compression End-to-End Encryption 30 Frames/sec, H.264 Encoding 60-Day Money-Back Guarantee 3 Year Limited Warranty 14"-104" F <div data-bbox="1583 834 1644 857">Stats</div> <p data-bbox="1583 870 1782 919">4.56 in. x 2.55 in. x 2.08 in. Weight: .33 lbs.</p> <div data-bbox="1583 956 1728 979">Requirements</div> <ul data-bbox="1583 993 1709 1073" style="list-style-type: none"> Wifi Connection AC Power Indoor-Use Only <p data-bbox="596 1143 1241 1182">https://simplisafe.com/simpliCam-security-camera</p> <p data-bbox="596 1219 1724 1258">Upon the detection of a person, the SimpliCam can wirelessly transmit streaming video.</p>

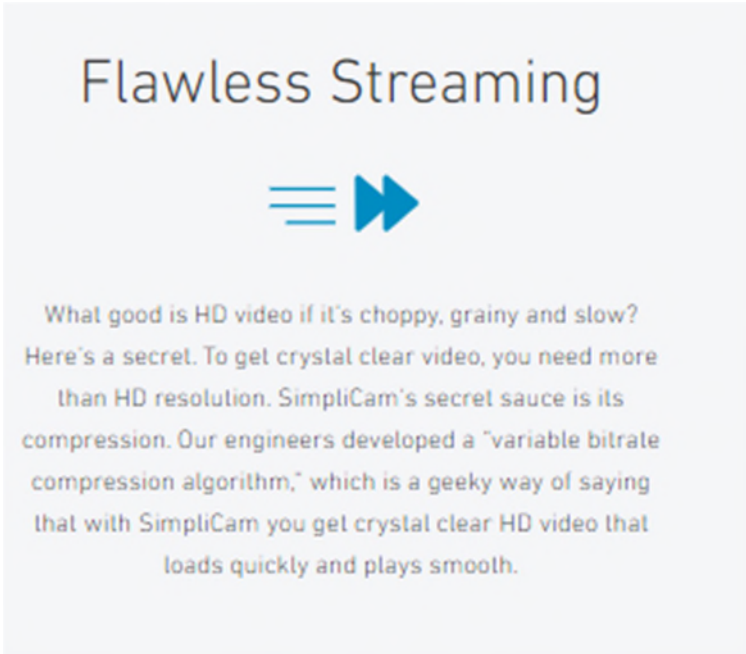
U.S. Pat. No. 10,674,120	SimpliCam
	<div data-bbox="600 285 1902 1053"><p data-bbox="674 342 1125 464">Detects humans. Ignores distractions.</p><p data-bbox="674 518 1373 683">No one wants their phone to get overwhelmed with alerts. Shouldn't your camera know the difference between someone breaking in and a branch moving outside? We solved the "camera-cried-wolf" problem. SimpliCam's intelligent detection algorithms are calibrated to detect the unique heat signature of humans, so the alerts you get are the ones that matter.</p></div> <p data-bbox="600 1057 1241 1092">https://simplisafe.com/simpliCam-security-camera</p>



U.S. Pat. No. 10,674,120	SimpliCam
	<div data-bbox="747 329 816 396"></div> <div data-bbox="680 427 888 449">Alerts You to Trouble</div> <div data-bbox="644 485 926 607"><p>SimpliCam alerts you for free the instant it detects motion so you can see what's happening and take action.</p></div> <div data-bbox="1257 329 1308 396"></div> <div data-bbox="1173 427 1402 449">Smart Motion Detection</div> <div data-bbox="1182 485 1398 607"><p>Intelligent sensors are calibrated to detect the unique heat signature of humans.</p></div> <div data-bbox="600 660 1241 693"><p>https://simplisafe.com/simpliCam-security-camera</p></div> <div data-bbox="665 771 1115 826"><h2>Flawless Streaming</h2></div> <div data-bbox="825 875 959 927"></div> <div data-bbox="617 984 1167 1226"><p>What good is HD video if it's choppy, grainy and slow? Here's a secret. To get crystal clear video, you need more than HD resolution. SimpliCam's secret sauce is its compression. Our engineers developed a "variable bitrate compression algorithm," which is a geeky way of saying that with SimpliCam you get crystal clear HD video that loads quickly and plays smooth.</p></div> <div data-bbox="600 1295 1241 1328"><p>https://simplisafe.com/simpliCam-security-camera</p></div>

U.S. Pat. No. 10,674,120	SimpliCam
<p>[1.5] wherein the system is capable of encrypting the digital streaming video transmitted from the device,</p>	<p>The SimpliCam can encrypt transmitted video.</p> <p>23. Is the SimpliSafe system secure?</p> <p>SimpliSafe uses end-to-end encoding, 256-bit encryption, and SSL security certification to keep your data safe. These industry-leading security measures are robust and designed to stop hackers from using home security data for malicious purposes.</p> <p>https://www.security.org/home-security-systems/simplisafe/faqs/</p> <ul style="list-style-type: none">• All communication between the base station, the app and our indoor and outdoor cameras -- whether it happens via Wi-Fi or via cellular signal -- is encrypted. <p>https://www.cnet.com/news/home-security-systems-video-doorbells-user-privacy-data-security-abode-adt-comcast-nest-ring-simplisafe/</p>

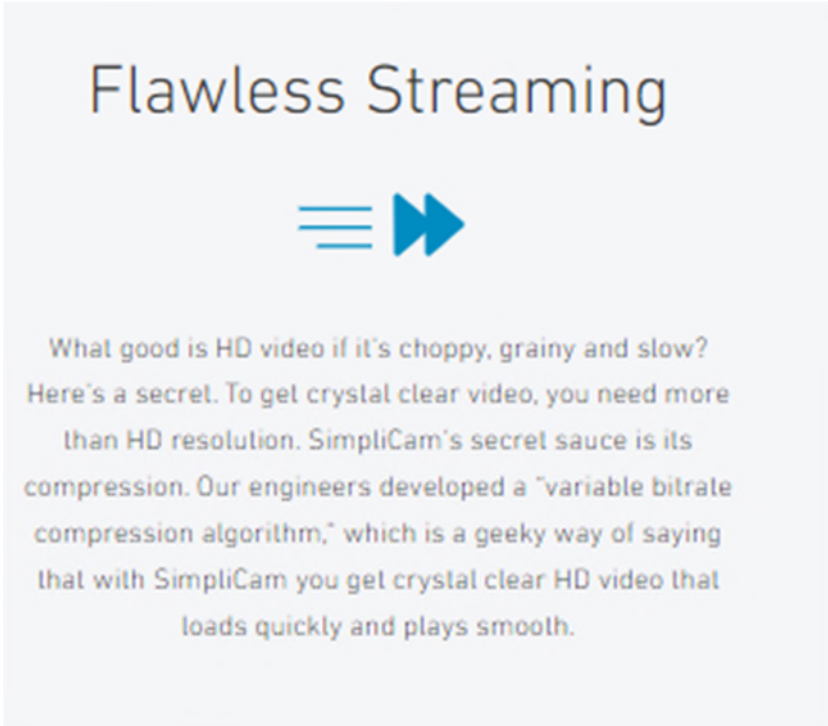
U.S. Pat. No. 10,674,120	SimpliCam
	 <p>The graphic is a blue rectangular box with white text and icons. At the top, it says 'Serious privacy protection'. Below that, a paragraph states: 'SimpliCam was built with a stainless steel privacy shutter to give you complete control over your privacy. The privacy shutter only opens with your permission. It protects your video feed with the same level of encryption used by banks to protect their accounts.' At the bottom, there are three columns, each with an icon and text: a padlock icon for 'End to End Encoding', a box with '256 bit' for 'Bank-Level Encryption', and a shield icon for 'SSL Security Certification'.</p> <p>https://simplisafe.com/simpliCam-security-camera</p>
[1.7] wherein the device comprises an antenna for transmission of the digital streaming video,	The SimpliCam has an antenna for transmission of the digital streaming video.

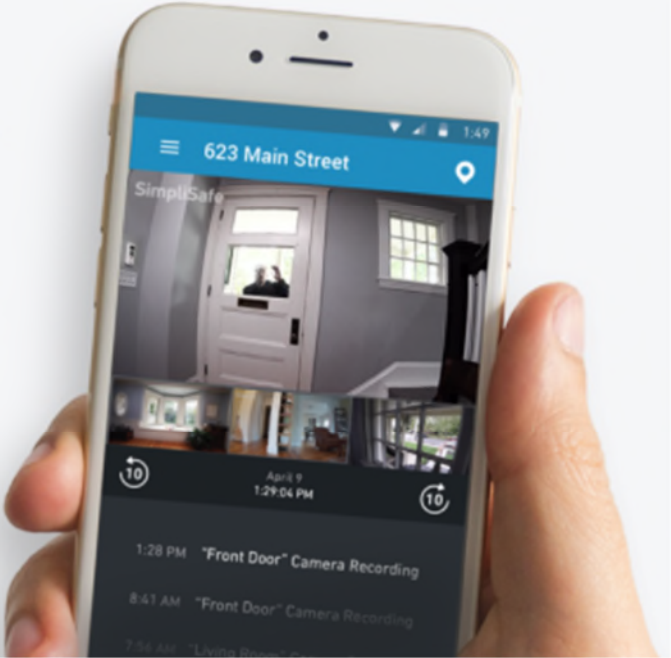
U.S. Pat. No. 10,674,120	SimpliCam
	<div data-bbox="625 329 982 378">Meet SimpliCam</div> <div data-bbox="625 451 1386 1071"><p data-bbox="1270 467 1386 492">Status Light</p><p data-bbox="625 557 772 605">Stainless Steel Privacy Shutter</p><p data-bbox="625 703 772 751">120° Diagonal Field of View</p><p data-bbox="625 849 819 873">Internal Microphone</p><p data-bbox="1270 662 1386 686">Night Vision</p><p data-bbox="1270 760 1365 784">HD Video</p><p data-bbox="1270 824 1354 873">Motion Detection</p></div> <div data-bbox="1522 337 1885 1084"><p>Features</p><ul style="list-style-type: none">HD Video and Audio24/7 Free Live StreamingFree Motion AlertsIntelligent Motion Detection AlgorithmFree App for Android and iPhoneRecording and 30-Day Storage (with plan)High Power Infrared Led Cut FilterMillions of ColorsVariable Bitrate CompressionEnd-to-End Encryption30 Frames/sec, H.264 Encoding60-Day Money-Back Guarantee3 Year Limited Warranty14"-104" F<p>Stats</p><ul style="list-style-type: none">4.56 in. x 2.55 in. x 2.08 in.Weight: .33 lbs.<p>Requirements</p><ul style="list-style-type: none">Wifi ConnectionAC PowerIndoor-Use Only</div> <div data-bbox="602 1117 1241 1149">https://simplisafe.com/simpliCam-security-camera</div>

U.S. Pat. No. 10,674,120	SimpliCam
	 <p>The graphic is a light blue rectangular box containing the text 'Flawless Streaming' at the top. Below the text is a blue icon consisting of three horizontal lines followed by a right-pointing arrow. Below the icon is a paragraph of text: 'What good is HD video if it's choppy, grainy and slow? Here's a secret. To get crystal clear video, you need more than HD resolution. SimpliCam's secret sauce is its compression. Our engineers developed a "variable bitrate compression algorithm," which is a geeky way of saying that with SimpliCam you get crystal clear HD video that loads quickly and plays smooth.'</p> <p>https://simplisafe.com/simpliCam-security-camera</p>
[1.8] a software application capable of operating on a smartphone, wherein the software application is capable of:	<p>The SimpliSafe app is a software application capable of operating on a smartphone.</p> <p>In order to install and setup the SimpliCam, the user is instructed to download the SimpliSafe app.</p>

U.S. Pat. No. 10,674,120	SimpliCam
	<div data-bbox="604 293 1205 927"><p data-bbox="890 354 919 393">4</p><p data-bbox="804 475 1010 508">New Users:</p><p data-bbox="651 537 1163 638">Download the SimpliSafe app and follow the instructions</p><p data-bbox="774 704 1037 737">Current Users:</p><p data-bbox="651 766 1163 867">Go to "Set Up Product" in the app menu</p></div> <p data-bbox="604 938 1835 971">https://support.simplisafe.com/hc/en-us/articles/360029594812-Installation-Help-for-SimpliCam</p> <div data-bbox="604 1003 1848 1271"><div data-bbox="655 1060 1058 1166"><p>Open Box. Plug it in. Protect your home.</p><p data-bbox="655 1192 1026 1214">Set up your SimpliCam in under 5 minutes.</p></div><div data-bbox="1167 1073 1226 1149"></div><p data-bbox="1155 1192 1241 1214">Plug it in</p></div> <div data-bbox="1430 1065 1484 1154"></div> <p data-bbox="1371 1192 1545 1214">Download the app</p>



U.S. Pat. No. 10,674,120	SimpliCam
<p>[1.9] a) displaying the digital streaming video and at the same time displaying at least one icon;</p>	<p>The SimpliSafe app can display the digital streaming video and at the same time displaying at least one icon.</p>  <p>https://simplisafe.com/simpliCam-security-camera</p>

U.S. Pat. No. 10,674,120	SimpliCam
	<div data-bbox="598 284 1873 961"> <h3>Catch them in the Act</h3> <p>Someone home who shouldn't be? Not for long. SimpliCam notifies you the instant it detects unusual activity, so you can see what happened and take action.</p> <p>Capture Critical Evidence</p> <p>See what happened before, during, and after your camera detects activity. With an optional recording plan, you can record, store and share critical footage with police and neighbors.</p> <ul style="list-style-type: none"> Record anytime at the push of a button 30-Day Storage Download and Share Clips  </div> <p>https://simplisafe.com/simpliCam-security-camera</p>
[1.10] b) displaying recorded video; and	The SimpliSafe app displays recorded video.

U.S. Pat. No. 10,674,120

SimpliCam

Catch them in the Act

Someone home who shouldn't be? Not for long. SimpliCam notifies you the instant it detects unusual activity, so you can see what happened and take action.

Capture Critical Evidence


See what happened before, during, and after your camera detects activity. With an optional recording plan, you can record, store and share critical footage with police and neighbors.

- Record anytime at the push of a button
- 30-Day Storage
- Download and Share Clips



<https://simplisafe.com/simpliCam-security-camera>

The SimpliSafe app can provide the user access to stored recordings of video and digital audio. The recordings are organized by the date and time that they occurred.

U.S. Pat. No. 10,674,120	SimpliCam
	<div data-bbox="600 285 1117 1304"><p>Up-to-the-minute timeline</p><div><div>Lake House</div><div>TODAY</div><div><div>Motion Detected</div><div>Front Door SimpliCam</div><div>🕒 5:47 PM ⏱ 00:45</div><div></div></div><div><div>System Armed in Away Mode</div><div>Dad's Key Fob</div><div>🕒 11:55 AM 📺 3 recordings</div></div><div>THURSDAY</div><div><div>System Armed in Home Mode</div><div>SimpliSafe App</div><div>🕒 5:47 PM ⏱ 00:45</div></div></div></div> <p>https://play.google.com/store/apps/details?id=com.simplisafe.mobile&hl=en_US</p>

U.S. Pat. No. 10,674,120	SimpliCam
<p>[1.11] c) modifying one or more control parameters associated with the device; and</p>	<p>The user can use the SimpliSafe app to modify one or more control parameters associated with the SimpliCam.</p> <p>For example, the SimpliSafe app allows the user to adjust the picture quality, night vision, motion detection and other options.</p>


How do I change my camera's settings?

From the app's home screen, click the three horizontal lines on the top left to pull out the side menu. Next, click "Cameras" to pull out the camera page and click the gear icon in the top-right corner of the screen. Select the camera whose settings you'd like to change (or [change the setting for Video Verification before continuing on to your camera's settings](#)). From here you have access to the following options:

Setting	Explanation	Setting Options	Default Value
Privacy Shutter (SimpliCam Only)	Determines when the privacy shutter* is open based on your security system's mode (Off, Home, or Away).	Home <ul style="list-style-type: none"> • Open • Closed Away <ul style="list-style-type: none"> • Open • Closed Off <ul style="list-style-type: none"> • Open • Closed 	Home <ul style="list-style-type: none"> • Closed Away <ul style="list-style-type: none"> • Open Off <ul style="list-style-type: none"> • Closed
<i>Motion Detection:</i> Motion Events**	Allows you to turn Motion Detection on or off.	On Off	On
<i>Motion Detection:</i> Motion Notifications***	Determines whether you will receive push notifications for motion events for your smartphone	Off On	On
<i>Motion Detection:</i> Sensitivity	Determines the sensitivity of motion detection. This affects both notifications and automatic recordings	Low Medium High	Medium
Nightvision	Emits an infrared light to allow the camera to view at night.	On Off Auto	Auto
Mic & Audio	Determines if audio is recorded with camera video	On Off	On
Picture Quality	Determines the picture quality. Higher picture quality makes your video clearer, but uses more internet bandwidth.	420p 720p 1080p	720p
Status Light	LED light that indicates when the camera is recording.	On Off	On
WiFi Network	Allows you to choose the WiFi network for your cameras.	N/A	N/A

<https://support.simplisafe.com/hc/en-us/articles/360029440912-How-do-I-change-my-camera-s-settings->

U.S. Pat. No. 10,674,120	SimpliCam
<p>[1.12] a database comprising a hierarchy of storage for the digital streaming video captured by the device.</p>	<p>The SimpliCam system with a database with a storage hierarchy of storage for the digital streaming video captured by the SimpliCam.</p> <p>For example, stored recordings of video and digital audio are available on the SimpliSafe app. The recordings are ordered and organized by date, time, and event.</p>

U.S. Pat. No. 10,674,120	SimpliCam
	<div data-bbox="600 285 1117 1304"><p>Up-to-the-minute timeline</p><div><div>Lake House</div><div>TODAY</div><div><div>Motion Detected</div><div>Front Door SimpliCam</div><div>🕒 5:47 PM 00:45</div><div></div></div><div><div>System Armed in Away Mode</div><div>Dad's Key Fob</div><div>🕒 11:55 AM 📺 3 recordings</div></div><div>THURSDAY</div><div><div>System Armed in Home Mode</div><div>SimpliSafe App</div><div>🕒 5:47 PM 00:45</div></div></div></div> <div data-bbox="600 1308 1633 1344">https://play.google.com/store/apps/details?id=com.simplisafe.mobile&hl=en_US</div>